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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/728,806	12/02/2000	Jens Rennert	US 008061	5576

7590 05/14/2004

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EXAMINER

NGUYEN, PHU K

ART UNIT PAPER NUMBER

2671

DATE MAILED: 05/14/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/728,806

Applicant(s)

RENNERT ET AL.

Examiner

Phu K. Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 February 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.

- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

Phu K. Nguyen
PHU K. NGUYEN
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The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-15 are rejected under 35 U.S.C. 102(b) as being anticipated by HANNAH (5,371,518).

As per claim 1, Hannah teaches the claimed “raster generator” comprising: “a line sequencer that is configured to sequence through a list of line descriptors” (Hannah, column 5, lines 56-61), “each line descriptor of the list of line descriptors including a line-count parameter and a line-type parameter, the line-count parameter corresponding to a number of raster lines corresponding to the line-type parameter, the line-type parameter corresponding to a descriptor of a sequence of raster signals that form each raster line corresponding to the line-type parameter” (Hannah, column 6, lines 2-15), and “a signal generator that is configured to produce the sequence of raster signals based on the descriptor of the sequence” (Hannah, column 7, lines 14-56).

Claim 2 adds into claim 1 “a programmable memory that is configured to contain the list of line descriptors” which Hannah teaches in column 5, lines 25-45 (Hannah, memory 61).

Claim 3 adds into claim 1 “each descriptor of the sequence of raster signals corresponds to a set of pattern identifiers, and the raster generator further comprises a

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pattern sequencer that is further configured to sequence through the set of pattern identifiers to produce a set of pattern sequences corresponding to the descriptor of the sequence" which Hahnah teaches in column 7, lines 25-27 (state and duration).

Claim 4 adds into claim 3 "a programmable memory that is configured to contain each set of pattern identifiers" which Hahnah teaches in column 7, lines 45-48 (state register 64).

Claim 5 adds into claim 3 "each pattern sequence of the set of pattern sequences corresponds to a set of duration-value pairs, and the signal generator produces the sequence of raster signals by applying particular raster values for particular durations, based on the duration-value pairs" which Hahnah teaches in column 7, lines 22-31.

Claim 6 adds into claim 5 "a programmable memory that is configured to contain each set of duration-value pairs" which Hahnah teaches in column 7, lines 45-48.

As per claim 7, Hannah teaches the claimed "encoder that is configured to receive a digital representation of an image and to produce therefrom a composite video signal that is suitable for display on a display device, wherein the composite video signal includes a video component and a raster component" comprising: "a data path that is configured to transform pixel data into the video component of the composite video, and a raster generator that is configured to provide the raster component, the

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raster component comprising a plurality of raster lines" (Hahnah, column 5, lines 56-61), "a raster definition data set that is configured to include a first link list that includes a plurality of line parameters, each line parameter including a line-count parameter and a line-type parameter, the line-count parameter corresponding to a number of raster lines of the plurality of raster lines corresponding to the line-type parameter, and the line-type parameter including a pointer to one or more descriptors of the raster lines corresponding to the line-type parameter" (Hahnah, column 6, lines 2-15), and "the raster generator is configured to provide the raster component of the composite video signal by processing the descriptors of each of the raster lines, via the first link list" (Hahnah, column 7, lines 14-56).

Claim 8 adds into claim 7 "the one or more descriptors of the raster lines includes a second link list that includes pointers to one or more sets of raster sequences" which Hahnah teaches in column 5, lines 27-45.

Claim 9 adds into claim 8 "each of the one or more raster sequences includes a plurality of sequence descriptors that define discrete intervals for asserting raster values" which Hahnah teaches in column 6, lines 28-62 (Hahnah, state and duration).

As per claim 10, Hannah teaches the claimed "method for generating a raster" comprising: "sequencing through a list of line entries that each include a line-type and a

line-count" (Hahnah, column 6, lines 2-15), and "applying raster signals corresponding to each line-type repeatedly, based on the corresponding line-count" (Hahnah, column 7, lines 14-56).

Claim 11 adds into claim 10 "programming the list of line entries into a memory that is accessed to effect the method" which Hahnah teaches in column 6, lines 7-15.

Claim 12 adds into claim 10 "applying the raster signals corresponding to each line-type further includes sequencing through a list of raster patterns corresponding to each line-type" which Hahnah teaches in column 7, lines 20-25.

Claim 13 adds into claim 12 "programming the list of raster patterns into a memory that is accessed to effect the method" which Hahnah teaches in column 6, lines 10-15 (Hahnah, state information).

Claim 14 adds into claim 12 "applying the raster signals corresponding to each line-type further includes sequencing through a list of duration-value pairs corresponding to each raster pattern" which Hahnah teaches in column 7, lines 22-31.

Claim 15 adds into claim 14 "programming the list of duration-value pairs into a memory that is accessed to effect the method" which Hahnah teaches in column 7, lines 45-48.

Due to new ground of the rejection, this action has been made NON_FINAL.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phu K. Nguyen whose telephone number is (703)305 - 9796. The examiner can normally be reached on M-F 8:00-4:30.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Phu K. Nguyen
April 25, 2004

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April 25, 2004
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